

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-6. (Canceled).

7. (Currently Amended) An information recording/reproducing apparatus characterized in that said apparatus comprises recording data multiplexing means for multiplexing at least encoded video data and encoded audio data, record data storing means for storing data outputted from said recording data multiplexing means, management-information-generation-destined data generating means for generating data required for generating management information for reproducing data recorded on said recording medium on the basis of data obtained from said recording data multiplexing means, management information storing means for storing said management information, management information generating means for generating said management information on the basis of output of said management-information-generation destined data generating means for writing or reading said management information in or from said management information storing means, recording medium drive processing means for recording or reading on or from the recording medium at least information outputted from said recording data storing means or information outputted from said management information generating means, recording status storing means for storing status information indicative of status of recording processing, and consolidative management means for managing said recording data multiplexing means, said recording data storing means, said management-information-generation-destined data generating means, said management information generating means, said management information storing means, said recording medium drive processing means and said recording status storing means, wherein said consolidative management means is arranged to write or read out said status information onto or from said recording status storing means;

further characterized in that said apparatus comprises said recording medium drive processing means for recording or reading out information on or from a recording medium,

record data demultiplexing means for demultiplexing the encoded video data and the encoded audio data from the information read out from said recording medium, said management-information-generation-destined data generating means for generating data required for generating management information for reproducing data recorded on said recording medium on the basis of the data obtained from said record data demultiplexing means, said management information storing means for storing said management information, said management information generating means for generating said management information on the basis of output of said management-information-generation-destined data generating means for writing or reading said management information in or from said management information storing means, management information reading means for reading out said management information from information read out from said recording medium for outputting said management information to said management information storing means, and consolidative management means for managing said record data demultiplexing means, said management-information-generation-destined data generating means, said management information generating means, said management information storing means, said recording medium drive processing means, said management information reading means and said recording status storing means, wherein said recording medium drive processing means is designed to record the information outputted from said management information generating means on said recording medium, and wherein said consolidative management means is designed to write or read out said status information onto or from said recording status storing means;

further comprising ~~In an information recording/reproducing apparatus set forth in claim 2,~~ an editor apparatus characterized in that the information outputted from said recording data storing means is recorded in the form of a data file on said recording medium with the information outputted from said management information generating means being stored on said recording medium as first and second plural sets of management information files, and that said apparatus comprises file system manage processing means for managing the files so that the file can be written or read out on or from said recording medium in a predetermined file format or a new file can be generated from two files, first management information file read processing means for reading said first set of management information file from said file system manage

processing means, first management information storing means for storing said first set of management information read out from said first management information file read processing means as-first management information, management information file write processing means for reading out said first management information from said first management information storing means to thereby write said first management information in said file system manage processing means as said first set of management information file, second management information file read processing means for reading out said second set of management information file from said file system manage processing means, second management information storing means for storing said second set of management information read out from said second management information file read processing means as second management information, combine processing means for generating new management information from the information stored in said first management information storing means and the information stored in said second management information storing means to thereby write said new management information in said first management information storing means, wherein said data file and said plural sets of management information files are combined in one set.

8. (Original) In an information recording/reproducing apparatus set forth in claim 7, an editor apparatus characterized in that plural sets of said data file and said management information file recorded on said recording medium include two or more sets of said data file and said management information file and that said two or more sets of said data file and said management information file are combined in one set.

9. (Original) An information recording/reproducing apparatus set forth in claim 7, characterized in that a first set of said data file and said management information file recorded on said recording medium are checked on the basis of said status information read out from said recording status storing means to thereby alter an identifier of said first set to a second identifier in the case where the unreproducible information is included in said first set, wherein a new data file and a new management information file to be recorded on said recording medium is recorded on said recording medium as a first set of the new data file and the new management information file.

10-12. (Canceled).

13. (~~Original~~ Currently Amended) An information recording/reproducing apparatus characterized in that said apparatus comprises recording data multiplexing means for multiplexing at least encoded video data and encoded audio data, record data storing means for storing data outputted from said recording data multiplexing means, management-information-generation-destined data generating means for generating data required for generating management information for reproducing data recorded on said recording medium on the basis of data obtained from said recording data multiplexing means, management information storing means for storing said management information, management information generating means for generating said management information on the basis of output of said management-information-generation destined data generating means for writing or reading said management information in or from said management information storing means, recording medium drive processing means for recording or reading on or from the recording medium at least information outputted from said recording data storing means or information outputted from said management information generating means, recording status storing means for storing status information indicative of status of recording processing, and consolidative management means for managing said recording data multiplexing means, said recording data storing means, said management-information-generation-destined data generating means, said management information generating means, said management information storing means, said recording medium drive processing means and said recording status storing means, wherein said consolidative management means is arranged to write or read out said status information onto or from said recording status storing means;

further characterized in that said recording status storing means is implemented as storing means which holds the stored information even when electric power supply is broken;

~~In an editor apparatus set forth in claim 3,~~ further comprising a recording apparatus characterized in that said apparatus comprises moving picture compression-encode processing means for performing compression-encoding of analog moving pictures, sound compression-encode processing means for performing compression-encoding of analog sound,

moving picture/sound multiplex processing means for multiplexing compression-encoded moving picture data outputted from said moving picture compression-encode processing means and compression-encoded sound data outputted from said sound compression-encode processing means, management-information-expansion data generate processing means for acquiring information required for management information file generation from said moving picture/sound compression-multiplex processing means to write additionally said information in management information expansion data expanded on said management information expansion memory as management information expansion data, a stream buffer for storing once temporarily a multiplexed stream outputted from said moving picture/sound compression-multiplex processing means, stream buffer managing means for commanding writing of said multiplexed data into said file system managing means from said stream buffer as a multiplexed stream file, a nonvolatile status management memory which is a nonvolatile memory for storing process stage statuses of recording processing, repair processing means for repairing format of said management information file or said multiplexed stream file to restore a normal format thereof when said management information file or said multiplexed stream file is abnormal, and activate processing means designed upon activation thereof to supervise said nonvolatile status management memory, issue a command for expanding said management information file on said management information expansion memory in dependence on status, command said repair processing means to repair the management information file and said multiplexed stream file, command said repair processing means to alter names of the management information file and said multiplexed stream file, and combine plural sets of said picture data files and said management information files into one set.

14-23. (Canceled).

24. (New) An information recording apparatus comprising:
recording data multiplexing means for multiplexing coded video data and coded audio data;
management information generating means for generating management information for reproducing data made by said recording data multiplexing means;

first writing/reading means for writing/reading information made by said recording data multiplexing means or information made by said management information generating means on a recording medium;

recording status storage means for storing, as status information different from each other, a first status of a recording process in which said first writing/reading means records information outputted from said recording data multiplexing means on said recording medium, and a second status of recording process in which said first writing/reading means records information outputted from said management information generating means on said recording medium;

second writing/reading means for writing/reading the status information obtained from said recording status storage means; and

processing means for controlling to repair information outputted from said recording data multiplexing means on the basis of that said second writing/reading means reads status information corresponding to the first status from said recording status storage means, or to repair information outputted from said management information generating means on the basis of that said second writing/reading means reads the status information corresponding to the second status from said recording status storage means.

25. (New) An information recording apparatus according to claim 24, further comprising:

file system management processing means for recording groups of information including information outputted from said recording data multiplexing means and information outputted from said management information generating means as group information in a data recording unit;

management information file read processing means for reading a plurality of groups of information from said file system management processing means; and

combine processing means for generating new management information on the basis of a first group of information and a second group of information read from said management information file read processing means.

26. (New) An information recording apparatus according to claim 24, further comprising:

file system management processing means for changing an identifier of a file including data made by said recording data multiplexing means, when the data made by said recording data multiplexing means includes information which cannot be reproduced, in result that the data made by said recording data multiplexing means is checked on the basis of said status information read from said recording status storage means by said second writing/reading means.

27. (New) An information recording apparatus according to claim 24, wherein said recording status storage means further stores information indicating a third status of normal termination of recording and information indicating a fourth status of a recording process for recording backup management information as the status information, and wherein said processing means makes a copy of the backup management information on the basis of the status information of the third status or the fourth status read from said recording status storage means.

28. (New) An information recording apparatus for recording information comprising:

recording means for recording video and audio information and management information for managing the video and audio information on a recording medium;

storage means for storing information different between a first status in which said recording means records the video and audio information on said recording medium and a second status in which said recording means records the management information on said recording medium; and

controlling means for controlling, when said information recording apparatus is activated,

to repair the video and audio information and the management information recorded on said recording medium in accordance with that the information of the first status is stored in said storage means;

to repair the management information recorded in said recording medium in accordance with that the information of the second status is stored in said storage means; and

to put said information recording apparatus into a standby state in accordance with that the first status and the second status are not stored in said storage means.

29. (New) An information recording apparatus according to claim 28, wherein recording means includes file system management processing means for recording a plurality of groups of information which are constituted by the video and audio information and the management information; and

wherein said controlling means generates new management information on the basis of information of a first group and information of a second group recorded in said file system management processing means, when the management information is repaired.

30. (New) An information recording apparatus according to claim 28, wherein the first status and the second status are in a state when the power supply of said information recording apparatus is broken.